

Converting Colors

CIELCh(41, 29.960, 249.042)

Have a look what the booklet for
CIELCh(41, 29.960, 249.042)
contains.

CIELCh(41, 29.938, 248.886)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 29.938, 248.886)

Conversions

Conversions Part 1

Format	Color
Hex	02688E
RGB	2, 104, 142
RGB Percent	1%, 41%, 56%
CMY	0.9921, 0.5922, 0.4432
CMYK	0.99, 0.27, 0.00, 0.44
HSL	196°, 97%, 28%
HSV	196°, 99%, 56%
XYZ	9.8561, 11.8645, 27.3583
YIQ	77.8340, -72.9900, -9.8060

Conversions

Conversions Part 2

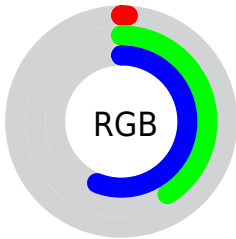
Format	Color
R_{YB}	2, 61, 142
Decimal	157838
CIE _{Lab}	41.00, -10.78, -27.93
CIE _{LCh}	41, 29.938, 248.886
Yxy	11.8645, 0.2008, 0.2417
Android (android.graphics.Color)	4278347918 (0xFF02688E)
YUV	77.8340, 31.6338, -66.5064
Hunter-Lab	34.4449, -9.2023, -22.9804

Details

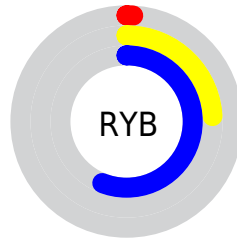
The CIELCh color **41, 29.938, 248.886** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 60.540, 46.595**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 30.019, 249.044**, and **23, 25.094, 264.568** is the 20% darker color. If you saturate the color by 10%, you get **41, 30.150, 249.471**, and if you desaturate by 10%, it is **42, 28.488, 244.623**.

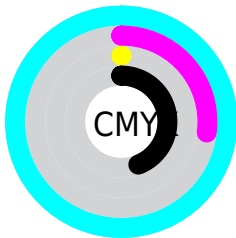
Distribution



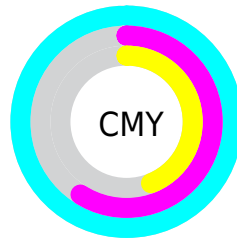
- Red (1%)
- Green (41%)
- Blue (56%)



- Red (1%)
- Yellow (24%)
- Blue (56%)



- Cyan (99%)
- Magenta (27%)
- Yellow (0%)
- Black (44%)



- Cyan (99%)
- Magenta (59%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 29.938, 248.886 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 41, 29.938, 248.886 by changing the saturation by 10% instead.


 41, 29.938,
248.886


 41, 29.938,
248.886


 100, 29.938,
248.886


 31, 29.938,
248.886

 61, 29.938,
248.886


 21, 29.938,
248.886

 71, 29.938,
248.886

 11, 29.938,
248.886


 81, 29.938,
248.886

 1, 29.938, 248.886

 91, 29.938,
248.886

 0, 29.938, 248.886

 41, 29.938,

 41, 29.938,

248.886

■ 41, 30.150,
249.471

248.886

■ 42, 28.488,
244.623

■ 44, 26.805,
240.849

■ 45, 24.728,
237.724

■ 47, 22.213,
235.191

■ 49, 19.259,
233.167

■ 51, 15.895,
231.569

■ 53, 12.168,
230.318

■ 55, 8.134, 229.354

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41, 29.938, 248.886



32, 60.540, 46.595

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41, 29.938, 248.886



41, 29.938, 298.886



41, 29.938, 68.886



41, 29.938, 118.886

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41, 29.937, 248.887



67, 15.650, 230.548



51, 68.871, 140.824



34, 10.514, 230.995



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 29.937, 248.887



52, 36.691, 250.579



21, 70.384, 300.285



29, 2.537, 228.681



39, 29.043, 249.229



1, 1.748, 228.046

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31, 60.885, 342.233



41, 73.495, 342.822



48, 54.247, 85.573



28, 4.639, 333.713



30, 58.956, 342.354



1, 3.111, 333.154

Previews

White Background



This preview shows how the CIE LCh color 41, 29.938, 248.886 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 41, 29.938, 248.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

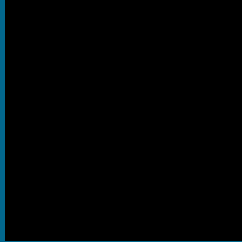
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 41, 29.938, 248.886

Background



This preview shows how black text looks on a background with the CIELCh color 41, 29.938, 248.886.



This preview shows how white text looks on a background with the CIELCh color 41, 29.938, 248.886.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


41, 29.938, 248.886

Protanopia

41, 24.431, 284.956

Deuteranopia

41, 29.531, 281.511



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 29.938, 248.886

Protanomaly
40, 26.834, 264.901

Deuteranomaly
40, 29.397, 265.257

Tritanomaly
41, 25.662, 224.092

Monochromacy



Original Color
41, 29.938, 248.886

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 15.129, 233.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 29.938, 248.886 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(2, 104, 142)` looks like.

```
.text, #text, p{  
    color:rgb(2, 104, 142)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(2, 104, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 104, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 29.938, 248.886 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(2, 104, 142) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(2, 104, 142) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(2, 104, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 104, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 104, 142);  
box-shadow:4px 4px 4px 4px rgb(2, 104,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 29.938, 248.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 104, 142) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(2, 104,  
142) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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